



Please type a plus sign (+) inside this box →



PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/081,864
Filing Date	February 20, 2002
First Named Inventor	LUKYANOV, SERGEY
Group Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	CLON-067

Total Number of Pages in This Submission 30

### ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Executed Declaration; Certification Regarding Sequence Listing and Preliminary Amendment; Paper copy of Sequence Listing; CRF; PTO Form SB08A; 29 Documents Return receipt postcard</b>
---	---	---

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

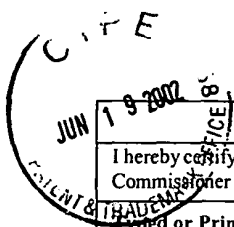
Firm or Individual Name	BRET E. FIELD, Reg. No. 37,620
Signature	
Date	June 11, 2002

### CERTIFICATE OF MAILING

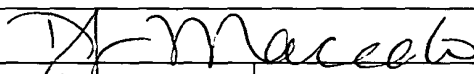
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: June 11, 2002.

Typed or printed name	Donna Macedo	Date	June 11, 2002
Signature			

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



# 3

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date.			
Typed or Printed Name		Donna Macedo	
Signature			Date 6/11/02
<b>INFORMATION DISCLOSURE STATEMENT</b>  Address to: Commissioner for Patents Washington, D.C. 20231		Attorney Docket	CLON-067
		First Named Inventor	LUKYANOV, SERGEY
		Application Number	10/081,864
		Confirmation No.	2910
		Filing Date	February 20, 2002
		Group Art Unit	1645
		Examiner Name	Unassigned
		Title: "NON AGGREGATING FLUORESCENT PROTEINS AND METHODS FOR USING THE SAME"	

Sir:

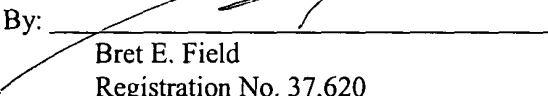
This is an Information Disclosure Statement submitted for the Examiner's consideration. A Form PTO-SB/08A listing the references and copies of the cited references accompany this paper. Applicants would appreciate the Examiner's initialing and returning the form to indicate that the references have been reviewed and made of record.

This Information Disclosure Statement is not intended as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one of the above references constitutes prior art to the present application within the meaning of 35 U.S.C. §102.

As applicants have not yet received a first Action on the merits, no fee is believed to be required for filing this Disclosure Statement. If, however, the PTO finds that for some reason a fee is due, our Deposit Account No. 50-0815, Order No. CLON-067 may be charged thereon.

Respectfully submitted,  
BOZICEVIC, FIELD & FRANCIS LLP

Date: 6.11.02

By:   
Bret E. Field  
Registration No. 37,620

BOZICEVIC, FIELD & FRANCIS LLP  
200 Middlefield Road, Suite 200  
Menlo Park, CA 94025  
Telephone: (650) 327-3400  
Facsimile: (650) 327-3231

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/081,864
		Filing Date	February 20, 2002
		First Named Inventor	LUKYANOV, SERGEY
		Group Art Unit	1645
		Examiner Name	Unassigned
Sheet 2 of 2	Attorney Docket Number	CLON-067	

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		GURSKAYA et al. "Color transitions in coral's fluorescent proteins by site-directed mutagenesis" <i>BMC biochemistry</i> (2001) 2:6	
		LUKYANOV et al. "Natural animal coloration can be determined by a nonfluorescent green fluorescent protein homolog", <i>The Journal of Biological Chemistry</i> , Vol. 275, No. 34 08-25-2000 pp. 25879-25882	
		MAČEK, et al. "Intrinsic tryptophan fluorescence of equinatoxin II, a pore-forming polypeptide from the sea anemone <i>Actinia equina</i> L. monitors its interaction with lipid membranes", <i>Eur. J. Biochem.</i> , (1995) Vol. 234: 329-335.	
		MARTYNOV, et al. "Alternative cyclization in GFP-like proteins family", <i>J. Bio. Chem.</i> , (2001) Vol. 276(24): 21012-21016.	
		MATZ, et al. "Fluorescent proteins from nonbioluminescent Anthozoa species", <i>Nature Biotechnology</i> , (1999) Vol. 17: 969-973.	
		TERSKIKH, et al. "Fluorescent timer": Protein that changes color with time", <i>Science</i> , (2000) Vol. 290: 1585-1588.	
		TSEIN. "The green fluorescent protein", <i>Ann. Rev. Biochem.</i> , (1998) Vol. 67: 509-544.	
		TSEIN. "Rosy dawn for fluorescent proteins", <i>Nature Biotechnology</i> , (1999) Vol. 17: 956-957.	
		WARD, et al. "An energy transfer protein in coelenterate bioluminescence", <i>J. Bio. Chem.</i> , (1979) Vol. 254(4): 781-787.	
		WIEDENMANN, et al. "The ectodermal pigments of the morphs of <i>Anemonia sp. (sulcata)</i> (Pennant)(Cnidaria; Anthozoa): An adaptation to the life in different depths", <i>Mol. Bio.</i> , (2000) Vol. 36(4): 521-528.	
		YANUSHEVICH, et al. "A strategy for the generation on non-aggregating mutants of <i>Anthozoa</i> fluorescent proteins", <i>FEBS</i> , (2002) Vol. 511: 11-14.	
		YARBROUGH, et al. "Refined crystal structure of DsRed, a fluorescent protein from coral, at 2.0-resolution", <i>PNAS</i> , (2001) Vol. 98(2): 462-467.	

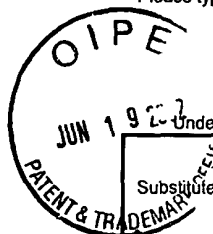
Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/081,864
				Filing Date	February 20, 2002
				First Named Inventor	LUKYANOV, SERGEY
				Group Art Unit	1645
				Examiner Name	Unassigned
Sheet	1	of	2	Attorney Docket Number	CLON-067

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Documents		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		5,491,084		Chalfie et al.	02-13-1996	
		5,874,304		Zolotukhin	02-23-1999	
		5,919,445		Chao	07-06-1999	
		5,958,713		Thastrup et al.	09-28-1999	
		5,968,738		Anderson et al.	10-19-1999	
		5,968,750		Zolotukhin et al.	10-19-1999	
		5,976,796		Szalay et al.	11-02-1999	
		5,985,577		Bulinski	11-16-1999	
		6,020,192		Muzyczka et al.	02-01-2000	
		6,066,476		Tsien et al.	05-23-2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Documents			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
			WO 99/49019		Szent-Gyorgyl	09-30-1999		
			WO 00/46233		Hoegh-Guldberg	02-02-2000		
			DE19718640A1		Windenmann	07/22/1999		

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ANDERLUH, et al. "Cloning, sequencing, and expression of equinatoxin II", <i>Biochem. Biophys. Res. Comm.</i> , (1996) Vol. 220: 437-442.	
		DOVE et al. "Isolation and Partial Characterization of the Pink and Blue Pigments of Pocilloporid" <i>Biol. Bull.</i> 189:288-297 (December, 1995)	
		FRADKOV et al. "Novel Fluorescent protein form Discosoma coral and its mutants possesses a unique far-red fluorescence" <i>FEBS Letters</i> 479 (2000) 127-130	
		GURSKAYA et al. "GFP-like chromoproteins as a source of far-red fluorescent proteins" <i>FEBS Letters</i> 507 (2001) 16-20	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.